

SRAM Deutschland GmbH  
NOTICE OF INVENTION  
RECEIVED

Our File Reg. 20043  
Date of Receipt  
Receipt confirmed  
Supplement  
Claim 0 June 01  
Release:

(Title)  
Axle Safety Device for Twist-Grip Shifters

1. Technical Problem (Object)

Prior approaches:  
(If known, please indicate patents and other state of art)  
SRAM, Shimano, Suntour, Microshift, and Point twist-grip shifters

Shortcomings of prior approaches:

Usually several parts or defective functioning.

New approach to the problem:  
(if needed, continue on additional pages)

With a twist-grip shifter, the twist grip itself must be rotatable but it should be axially fixed. This is also a safety requirement so as to prevent the bicycle rider's hand including grip from slipping. The present invention represents an inexpensive, easily installed, low-friction and reliable solution.

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## 2. Exact Information on How the Invention Came About

- |   | YES   | NO |
|---|-------|----|
| a) Did you pose the object to be achieved by the invention yourself?<br>If not, who did?  | X     |    |
| b) Was the invention occasioned by a suggestion external to the company?<br>(e.g. customer suggestion and wish)<br>If yes, by whom? |       | X  |
| Was the invention made in the course of a project?<br>If yes, project name: New Spectro 3 [shifter?]                                | X     |    |
| When was the invention completed?   | 11.00 |    |
| Was the invention discussed with third parties (internally or at customers)?  | X     |    |
| If yes, with whom? Team members, toolmakers   |       |    |

## 3. Usefulness of the Invention for SRAM (Opinion of Inventor)

- |  |   |   |
|--|---|---|
| a) Production cost advantages?   | X |   |
| b) Improved functionality?   | X |   |
| c) More favorable design/reduced weight?   | X |   |
| d) Range of functions (additional functionality)?  |   | X |
| e) Avoid [infringing] a third-party right?   | X |   |
| f) Can new product lines result from the invention?  |   | X |
| g) Suggestion of application countries<br>(Deviation from IP policy: DE, US, FR, NL, CH, T?) |   |   |

Do you claim the invention as an independent invention? X

## 4. Inventors who participated

(If no information is provided regarding share in the invention, equal shares will be assumed.  
The first inventor named will be the contact person for preparing the patent application.)

Name of Inventor	Address	Share in the Invention	Signature
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